# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** KANDLA QUALITY CONTROL LABORATORY, HINDUSTAN PETROLEUM CORPORATION LTD., KANDLA TERMINAL, KHARI ROHAR ROAD, GANDHIDHAM, KUTCH, GUJARAT, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-5151 **Page No** 1 of 10

**Validity** 07/03/2022 to 06/03/2024 **Last Amended on** 03/04/2022

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel (HSD) | Distillation, End Point | ASTM D86 |
| 2 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel (HSD) | Distillation, End Point | IS1448: p18 |
| 3 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | CALUCULATED CETANE INDEX | ISO 4264 |
| 4 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Corrosiveness to Copper - Copper Strip Test | ASTM D 130 |
| 5 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | DENSITY @15C BY HYDROMETER | ASTM D 1298 |
| 6 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | DENSITY @15C BY HYDROMETER | ISO 3675 |
| 7 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | DENSITY@15°C BY HYDROMETER | IS 1448: PART 16 |
| 8 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel fuel (HSD) | Distillation, Final Boiling Point | IS 1448: Part 18 |
| 9 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | FLASH POINT, ABEL | IP 170 |
| 10 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | FLASH POINT, ABEL | IS 1448: PART 20 |
| 11 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | FLASH POINT, ABEL | ISO 13736 |
| 12 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | FLASH POINT, PMCC | IS 1448: PART 21 |
| 13 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | KINEMATIC VISCOCITY @ 40C | IS 1448: PART 25 |
| 14 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | Appearance | ASTM D 4176(REF: WI/01 ISSUE DATE:01.06.2012 |
| 15 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel fuel(HSD) | COLOUR | Visual (Ref.WI/02 issue date: 01.06.2012) |
| 16 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | Corrosiveness to Copper - Copper Strip Test | IS 1448: PART 15 |
| 17 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 18 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive diesel fuel(HSD) | DENSITY @15C BY HYDROMETER | IS 1448: PART 16 |

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**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-5151 **Page No** 2 of 10

**Validity** 07/03/2022 to 06/03/2024 **Last Amended on** 03/04/2022

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| 19 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | DISTILLATION RECOVERY @350/360/370C | IS 1448: PART 18 |
| 20 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | DISTILLATION RECOVERY @360°C | ASTM D86 |
| 21 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | DISTILLATION RECOVERY @360°C | ISO 3405 |
| 22 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | DISTILLATION, 95 % RECOVERY V/V AT TEMPERATURE | ISO 3405 |
| 23 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | DISTILLATION, 95% V/V RECOVERY AT TEMPERATURE | ASTM D86 |
| 24 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | DISTILLATION, 95% V/V RECOVERY AT TEMPERATURE | IS 1448: PART 18 |
| 25 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | Distillation, Final Boiling Point | ASTM D86 |
| 26 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | KINEMATIC VISCOCITY @ 40C | ASTM D445 |
| 27 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | KINEMATIC VISCOCITY @40C | IS0 3104 |
| 28 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | POUR POINT | ASTM D 97 |
| 29 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | POUR POINT | IS 1448: PART 10 (SECTION-2) |
| 30 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | POUR POINT | ISO 3016 |
| 31 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | TOTAL SULFUR | ASTM D4294 |
| 32 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | Total Sulphur | IS 1448: PART 153 |
| 33 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | Total Sulphur | ISO 13032 |
| 34 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel(HSD) | Total Sulphur | ISO 20847 |
| 35 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | ASH CONTENT | ASTM D 482 |
| 36 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | ASH CONTENT | IS 1448 : PART 4 |
| 37 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | ASH CONTENT | ISO 6245 |

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**Certificate Number** TC-5151 **Page No** 3 of 10

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| 38 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | CALCULATED CARBON AROMATICITY INDEX (CCAI) | Test method 6.2 of ISO 8217 |
| 39 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | Density @ 15 °C by Hydrometer | 1s 1448: PART 16 |
| 40 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | Density @ 15 °C by Hydrometer | ASTM D 1298 |
| 41 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | Density @ 15 °C by Hydrometer | ISO 3675 |
| 42 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | Kinematic Viscosity At 50 °C | ASTM D 445 |
| 43 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | Relative Density @ 15 °C | IS 1448 : PART 32 |
| 44 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | TOTAL SEDIMENT POTENTIAL | ISO 10307-1/2 |
| 45 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | TOTAL SEDIMENTS | ASTM D473 |
| 46 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | TOTAL SEDIMENTS | IS 1448 : PART 30 |
| 47 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | TOTAL SEDIMENTS | ISO 3735 |
| 48 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | Total Sulphur | ASTM D 4294 |
| 49 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | WATER CONTENT BY DEAN STARK | ASTM D 95 |
| 50 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | WATER CONTENT BY DEAN STARK | IS 1448 : PART 40 |
| 51 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil (FO) | WATER CONTENT BY DEAN STARK | ISO 3733 |
| 52 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil(FO) | Flash Point, PMCC | IS 1448: Part 21 |
| 53 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oil(FO) | KINEMATIC VISCOSITY AT 50 °C | IS 1448 : PART 25: |
| 54 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Appearance | ASTM D 4176:2021 |
| 55 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Colour | Visual (Ref.WI/02 issue date: 01.06.2012) |
| 56 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Flash Point, PMCC | ASTM D93 |

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**Certificate Number** TC-5151 **Page No** 4 of 10

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| 57 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Flash Point, PMCC | ISO 2719 |
| 58 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Kinematic Viscosity @50C | ISO 3104 |
| 59 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Pour Point | ASTM D97 |
| 60 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Pour Point | IS 1448: Part 10 Section 2 |
| 61 | CHEMICAL- PETROLEUM AND PRODUCTS | Fuel Oils(FO) | Pour Point | ISO 3016 |
| 62 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel | Density @15C by Hydrometer | IS 1448: Part 16 |
| 63 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel (HF HSD) | Corrosiveness to Copper - Copper Strip Test | ASTM D 130 |
| 64 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel (HFHSD) | CALCULATED CENTANE INDEX | ASTM D 4737 |
| 65 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel Fuel(HF HSD) | Corrosiveness to Copper- Copper Strip test | IS 1448: Part 15 |
| 66 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel Fuel(HSD) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 67 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Appearance | ASTM D 4176(REF: WI/01 ISSUE DATE:01.06.2012 |
| 68 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Calculated Cetane Index | ASTM D4737 |
| 69 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Calculated Cetane Index | ISO 4264 |
| 70 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High speed Diesel(HF HSD) | Colour | Visual (Ref.WI/02 issue date: 01.06.2012) |
| 71 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Density @15C by Hydrometer | ASTM D1298 |
| 72 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Density @15C by Hydrometer | ISO 3675 |
| 73 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | DISTILLATION RECOVERY @350/360/370C | ASTM D86 |
| 74 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | DISTILLATION RECOVERY @350/360/370C | IS 1448: Part 18 |
| 75 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Distillation, End Point | ASTM D86 |

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**Certificate Number** TC-5151 **Page No** 5 of 10

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| 76 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Distillation, End Point | IS1448: p18 |
| 77 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Distillation, Final Boiling Point | ASTM D86 |
| 78 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Distillation, Final Boiling Point | IS 1448: Part 18 |
| 79 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | FLASH POINT, PMCC | ASTM D93 |
| 80 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | FLASH POINT, PMCC | ISO 2719 |
| 81 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Kinematic Viscocity @40C | ISO 3104 |
| 82 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Kinematic Viscosity @40C | ASTM D 445 |
| 83 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HF HSD) | Pour Point | IS 1448: PART 10 SECTION-2 |
| 84 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed diesel(HF HSD) | Pour Point | ISO 3106 |
| 85 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HFHSD) | DISTILLATION RECOVERY @350/360/370C | ISO 3405 |
| 86 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HFHSD) | Kinematic Viscosity @40C | IS 1448: Part 25 |
| 87 | CHEMICAL- PETROLEUM AND PRODUCTS | High Flash High Speed Diesel(HFHSD) | Pour Point | ASTM D97 |
| 88 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 89 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Distillation, Final Boiling Point | ASTM D86 |
| 90 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | DISTILLATION, INITIAL BOILING POINT | ASTM D86 |
| 91 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | DISTILLATION, INITIAL BOILING POINT | IS 1448: PART 18 |
| 92 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Flash Point, Abel | IP 170 |
| 93 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Flash Point, Abel | IS 1448: PART 20 |
| 94 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Appearance | ASTM D 4176(REF: WI/01 ISSUE DATE:01.06.2012 |

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**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-5151 **Page No** 6 of 10

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| 95 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Colour | Visual (Ref.WI/02 issue date: 01.06.2012) |
| 96 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Corrosiveness to Copper - Copper Strip Test | ASTM D130 |
| 97 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Corrosiveness to Copper - Copper Strip Test | IS 1448: PART 15 |
| 98 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Density @ 15 °C by Hydrometer | ASTM D 1298 |
| 99 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Density @ 15 °C by Hydrometer | ISO 3675 |
| 100 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Density @15 °C by Hydrometer | IS 1448 : PART 16 |
| 101 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Distillation, End Point | ASTM D86 |
| 102 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Distillation, End Point | IS1448: p18 |
| 103 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Distillation, Final Boiling Point | IS 1448: Part 18 |
| 104 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | DISTILLATION, RECOVERY AT 200°C | ASTM D86 |
| 105 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | DISTILLATION, RECOVERY AT 200°C | IS 1448: PART 18 |
| 106 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | DISTILLATION, RECOVERY AT 200°C | ISO 3405 |
| 107 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Flash Point, Abel | ISO 13736 |
| 108 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | SAYBOLT COLOUR | ASTM D 156 |
| 109 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | SAYBOLT COLOUR | IS 1448: PART 14 |
| 110 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | SMOKE POINT | ASTM D1322 |
| 111 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | SMOKE POINT | IS 1448: PART 31 |
| 112 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | SMOKE POINT | ISO 3014 |
| 113 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | TOTAL SULFUR | ASTM D 4294 |

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| 114 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | TOTAL SULFUR | ISO 8754 |
| 115 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil (LDO) | Flash Point, PMCC | IS 1448: Part 21 |
| 116 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil (LDO) | Pour Point | ISO 3016 |
| 117 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Appearance | ASTM D 4176(REF: WI/01 ISSUE DATE:01.06.2012 |
| 118 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Ash Content | ASTM D482 |
| 119 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Ash Content | IS 1448: Part 4 |
| 120 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Ash Content | ISO 6245 |
| 121 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Colour | Visual (Ref.WI/02 issue date: 01.06.2012) |
| 122 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Corrosiveness to Copper - Copper Strip Test | ASTM D 130 |
| 123 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Corrosiveness to Copper - Copper Strip Test | IS 1448: Part 15 |
| 124 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 125 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | DENSITY @ 15C BY HYDROMETER | IS 1448: PART 16 |
| 126 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | DENSITY @15C BY HYDROMETER | ASTM D 1298 |
| 127 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Density @15C by Hydrometer | ISO 3675 |
| 128 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Density @15C by Hydrometer | ISO 3675 |
| 129 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Flash Point, PMCC | ASTM D 93 |
| 130 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Flash Point, PMCC | ISO 2719 |
| 131 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Kinematic Viscocity@40C | ISO 3104 |
| 132 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Kinematic Viscosity @ 40C | ASTM D445 |

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| 133 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Kinematic Viscosity @40C | IS 1448: Part 25 |
| 134 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Pour Point | ASTM D97 |
| 135 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Pour Point | IS 1448: Part 10 Section-2 |
| 136 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Total Sediments | ASTM D473 |
| 137 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Total Sediments | IS 1448: Part 30 |
| 138 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Total Sediments | ISO 3735 |
| 139 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Total Sulphur | ASTM D 4294 |
| 140 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Water Content by Dean and Stark | ASTM D95 |
| 141 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Water content by Dean and Stark | IS 1448: Part 40 |
| 142 | CHEMICAL- PETROLEUM AND PRODUCTS | Light Diesel Oil(LDO) | Water Content By Dean and Stark | ISO 3733 |
| 143 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | APPEARANCE | ASTM D 4176 |
| 144 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Corrosiveness to Copper - Copper Strip Test | ASTM D 130 |
| 145 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Corrosiveness to Copper - Copper Strip Test | IS 1448 : PART 15 |
| 146 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | DISTILLATION - Final Boiling Point | ASTM D 86 |
| 147 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | DISTILLATION -Initial Boiling Point | IS 1448 : PART 18 |
| 148 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | COLOUR | Visual (Ref.WI/02 issue date: 01.06.2012) |
| 149 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 150 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DENSITY @15C BY HYDROMETER | ISO 3675 |
| 151 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DENSITY@15C BY HYDROMETER | ASTM D 1298 |

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 152 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DENSITY@15C BY HYDROMETER | IS 1448: PART 16 |
| 153 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION % EVAPORATED AT 150 °C | ASTM D86 |
| 154 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION % EVAPORATED AT 150 °C | IS 1448 : PART 18 |
| 155 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION- Final Boiling Point | IS 1448 : PART 18 |
| 156 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION -Initial Boiling Point | ASTM D 86 |
| 157 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION, % EVAPORATED AT 100 °C | ASTM D86 |
| 158 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION, % EVAPORATED AT 100C | IS 1448: PART 18 |
| 159 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION, % EVAPORATED AT 70C | ASTM D86 |
| 160 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | DISTILLATION, % EVOPARATED AT 70C | IS 1448: PART 18 |
| 161 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Distillation, End Point | ASTM D86 |
| 162 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Distillation, End Point | IS1448: p18 |
| 163 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | GUM CONTENT(SW) | ASTM D 381 |
| 164 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | GUM CONTENT(SW) | IS 1448 : PART 29 |
| 165 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | GUM CONTENT(SW) | ISO 6246 |
| 166 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | RESEARCH OCTANE NUMBER | ASTM D 2699 |
| 167 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | RESEARCH OCTANE NUMBER | IS 1448 : PART 27 |
| 168 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | RESEARCH OCTANE NUMBER | ISO 5164 |
| 169 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Residue | ASTM D 86 |
| 170 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Residue | IS 1448 : PART 18 |

# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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|---|---|---|---|
| **Laboratory Name :** | KANDLA QUALITY CONTROL LABORATORY, HINDUSTAN PETROLEUM CORPORATION LTD., KANDLA TERMINAL, KHARI ROHAR ROAD, GANDHIDHAM, KUTCH, GUJARAT, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-5151 | **Page No** | 10 of 10 |
| **Validity** | 07/03/2022 to 06/03/2024 | **Last Amended on** | 03/04/2022 |

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 171 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Total Sulphur | ISO 13032 |